



METACIL DA-DLP

ICI Pakistan Ltd.

5 WEST WHARF KARACHI

EMERGENCY TELEPHONE: 111-100-200

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1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

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|-----|------------------------|---------------------|
| 1.1 | CHEMICAL PRODUCT | METACIL DA-DLP |
| 1.2 | APPLICATION | TEXTILE AUXILIARY |
| 1.3 | COMPANY IDENTIFICATION | I.C.I Pakistan Ltd. |
| 1.4 | EMERGENCY TELEPHONE | 111-100-200 |

2. COMPOSITION/ INFORMATION ON INGREDIENTS

- 2.1 CHEMICAL DESCRIPTION ANIONIC SURFACTANT BLEND
- 2.2 HAZARDOUS INGREDIENT(S) CAS NO. %(W/W) SYMBOL R PHRASES ALKYL SULPHATE SALT - 30-50 XI R38 R41

3. HAZARDS IDENTIFICATION

THIS HEALTH HAZARD ASSESSMENT IS BASED ON A CONSIDERATION OF THE COMPOSITION OF THIS PRODUCT



IRRITATING TO SKIN
RISK OF SERIOUS DAMAGE TO EYES

4. FIRST AID MEASURES

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| 4.1 | EYE CONTACT | IMMEDIATELY IRRIGATE WITH EYEWASH SOLUTION OR CLEAN WATER, HOLDING THE EYELIDS APART, FOR AT LEAST 10 MINUTES OBTAIN IMMEDIATE MEDICAL ATTENTION CONTINUE IRRIGATION UNTIL MEDICAL ATTENTION CAN BE OBTAINED |
| 4.2 | SKIN CONTACT | REMOVE CONTAMINATED CLOTHING WASH SKIN WITH SOAP ANDWATER. IF SYMPTOMS DEVELOP, OBTAIN MEDICAL ATTENTION |
| 4.3 | INGESTION | DOES NOT INDUCE VOMITING WASH OUT MOUTH WITH WATER AND GIVE 200-300 ML (HALF A PINT) OF WATER TO DRINK. OBTAIN MEDICAL ATTENTION |
| 4.4 | INHALATION | REMOVE PATIENT FROM EXPOSURE OBTAIN MEDICAL ATTENTION IF ILL EFFECTS OCCUR |

5. FIRE EXTINGUISHING MEDIA

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|-----|----------------------------|--|
| 5.1 | EXTINGUISHING MEDIA | AS APPROPRIATE FOR SURROUNDING MATERIALS/ EQUIPMENT |
| 5.2 | FIRE AND EXPLOSION HAZARDS | LOW FIRE HAZARD UNLIKELY TO IGNITE EXCEPT IN HIGH HEAT FLUX CONDITIONS |
| 5.3 | PROTECTIVE MEASURES | USE WATER WITH CARE TO AVOIDPOSSIBLE VIOLENT PRODUCTION OF STEAM A SELF CONTAINED BREATHING APPARATUS AND SUITABLE PROTECTIVE CLOTHING SHOULD BE WORN IN FIRE CONDITIONS |

6. ACCIDENTAL RELEASE MEASURES

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|-----|---------------------------|---|
| 6.1 | PERSONAL PRECAUTIONS | NONE |
| 6.2 | ENVIRONMENTAL PRECAUTIONS | NONE |
| 6.3 | CLEANING UP | ADSORB SPILLAGES ONTO SAND, EARTH OR ANY SUITABLE ADSORBENT MATERIAL TRANSFER TO A CONTAINER FOR DISPOSAL. WASH THE SPILLAGE AREA CLEAN SPILLAGES OR UNCONTROLLED DISCHARGES INTO WATERCOURSES MUST BE ALERTED TO THE APPROPRIATE REGULATORY BODY |



7. STORAGE AND HANDLING

7.1	STORAGE	STORE AT ROOM TEMPERATURE
7.2	RECOMMENDED SHELF LIFE	12 MONTHS
7.3	HANDLING	AVOIDS CONTACT WITH SKIN AND EYES AVOID INHALATION OF HIGH CONCENTRATIONS OF MISTS. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTISES AND USUAL SAFETY MEASURES

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1	OCCUPATIONAL EXPOSURE LIMITS	
	CHEMICAL	NO OCCUPATIONAL EXPOSURE LIMIT ASSIGNED
8.2	ENGINEERING MEASURES	NONE
8.3	PERSONAL PROTECTIVE EQUIPMENT	
	RESPIRATORY PROTECTION	NONE
	HAND PROTECTION	WEAR GLOVES
	EYE PROTECTION	WEAR GOGGLES
	SKIN PROTECTION	WEAR FACE SHIELD

9. PHYSICAL/ CHEMICAL PROPERTIES

9.1	APPEARANCE	PALE BROWN CLEAR LIQUID
9.2	ODOUR	AMMONICAL
9.3	PH	6 -8 (10% SOLUTION)
9.4	VISCOSITY	NOT ASSESSED
9.5	FREEZING POINT	NOT ASSESSED
9.6	FREEZE THAW RECOVERY	NOT ASSESSED
9.7	BOILING POINT	100° C APPROX.
9.8	MELTING POINT	NOT ASSESSED



9.9	FLASH POINT	>100° C (CLOSED CUP)
9.10	AUTOFLAMMABILITY	NOT ASSESSED
9.11	EXPLOSIVE PROPERTIES	NOT ASSESSED
9.12	VAPOUR PRESSURE	NOT ASSESSED
9.13	VAPOUR DENSITY	NOT ASSESSED
9.14	RELATIVE DENSITY	1.15 APPROX.@20°C
9.15	SOLUBILITY	SOLUBLE IN WATER.
9.16	PARTITION COEFFICIENT	NOT ASSESSED
10.	STABILITY AND REACTIVITY	
10.1	STABILITY	STABLE UNDER NORMAL INDUSTRIAL USE
10.2	CONDITIONS TO AVOID	NONE KNOWN
10.3	MATERIALS TO AVOID	STRONG OXIDISING AGENTS, STRONG ACIDS, ALKALIS
10.4	RECOMMENDED MATERIALS FOR EQUIPMENT	COMPATIBLE WITH MOST MATERIALS
10.5	HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE, CARBON DIOXIDE, SULPHUR OXIDES
11.	TOXICOLOGICAL INFORMATION	
	THIS HEALTH HAZARD ASSESSMENT IS BASED ON INFORMATION AVAILABLE ON SIMILAR PRODUCTS	
11.1	SHORT TERM EFFECTS	
	EYE CONTACT	RISK OF SERIOUS DAMAGE TO EYES
	SKIN CONTACT	IRRITATING TO SKIN
	INGESTION	INGESTION MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT
	INHALATION	UNLIKELY TO BE HAZARDOUS BY INHALATION UNLESS PRESENT AS AN AEROSOL HIGH CONCENTRATIONS OF MIST MAY BE IRRITANT TO THE UPPER RESPIRATORY TRACT
11.2	CHRONIC EFFECTS	NO INFORMATION AVAILABLE



12. ECOLOGICAL INFORMATION

12.1	LC 50 (48 HOUR)	(RAINBOW TROUT) (96 HOUR) (STATIC): >100MG/L LOW TOXICITY TO FISH
12.2	BOD	(BOD 28 DAY) : <0.1GO2/G
12.3	COD	0.35 g O2/g
12.4	OTHER (OECD 301C): 73%	DISSOLVED ORGANIC CARBON REMOVAL (DOC REMOVAL)

13. DISPOSAL CONSIDERATIONS

DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS i.e. TIPPING.

14. TRANSPORT INFORMATION

14.1	PACKAGING	200 & 50 Kg PACKING
14.2	FREIGHT CLASSIFICATIONS	Xi
	EC CLASSIFICATION	IRRITANT
	UN NUMBER	N.A
	ADR NUMBER	N.A
	IMDG NUMBER	N.A
	PACKING GROUP	N.A
	TERM CARD	NOT APPLICABLE

15. REGULATORY INFORMATION

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NONYL PHENOL ETHOXYLATE)

15.1	C.P.L CLASSIFICATION	NOT APPLICABLE
	HAZARD PICTOGRAM	Xi



ICI PAKISTAN LTD.

ICI Pakistan Limited
Chemical Business



RISK PHRASES

R38: IRRITATING TO SKIN
R41: RISK OF SERIOUS DAMAGE TO EYES

SAFETY PHRASES

S26: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. S39: WEAR EYE/FACE PROTECTION

15.2 OTHER LEGISLATION

NOT APPLICABLE

16. OTHER INFORMATION

THIS DATA SHEET WAS PREPARED IN ACCORDANCE WITH DIRECTIVE 93/112/EC

WATER POLLUTING CLASS (WGK) = 3

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